

A breakthrough for all livestock farmers around the World – finally a common sense approach to a highly complex issue

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Medical Ethics

## Tri-Solfen® Innovation in pain relief

Proven, affordable and practical pain relief solution for surgical and accidental wounds in all animal species



Tri-Solfen® is a Veterinarian prescribed, farmer applied pain relief product sprayed directly onto the wound during surgical procedures such as castration, tail docking and disbudding. The product is designed to provide an adhesive barrier over the wound, numbing the area and minimising bleeding whilst providing protection against infection.

The use of Tri-Solfen® is recommended by leading livestock industries, international retailers, animal welfare groups (including the RSPCA and CIWF) and highly respected welfare scientist such as Temple Grandin and Professor Peter Windsor. There has been over 80 million animals successfully treated with Tri-Solfen® addressing the urgent needs of producers and their customers to improve animal welfare outcomes.

Pain management in livestock production is top of mind for many producers who want to improve animal welfare outcomes, for veterinarians who have the difficult task to help producers to improve welfare standards in a practical and cost effective manner and for consumers and governments that are increasingly demanding the improved humane treatment of animals. This has led to livestock supply chains globally creating and enforcing new strict animal welfare codes with large retailers requiring producers to implement practices to improve the wellbeing of animals including the alleviation of pain.

Currently available pain treatments are either costly or impractical for use, disrupting management practices. Tri-Solfen® is an innovative solution developed with producers and their animals in mind providing a practical solution for improved animal welfare outcomes.

### Product composition

#### Lignocaine/Bupivacaine

Commonly used, safe, well documented

Rapid onset (1-3 minutes) and prolonged analgesic effect

#### Adrenaline

Constricts blood vessels, reduces blood loss

Concentrates local action of lignocaine, increases prolonged effect and decreases risk of toxicity

#### Antiseptic Agent

Reduces and prevents risk of infection. Mitigates the need to apply routine antibiotic applications

#### Spray-on gel base

Easy application

Maximise wound adhesion

Creates protective barrier over the wound

[www.medicaethics.me](http://www.medicaethics.me)

## Product at a glance

- **Cost effective**
- **Practical application**  
Single dose via topical application applied by the farmer.  
No need to double handle livestock
- **Known active ingredients**  
Over 80 million animals safely treated
- **36 patents granted globally including the USA and EU**
- **16 independent published studies**  
Confirming safety and efficacy in pigs, cattle and sheep
- **EU, USA and Canadian Marketing approvals commenced**
- **Designed for rapid onset (1 minute) and prolonged effect (24 hours)**
- **Added benefits**  
Reduced bleeding, promotes wound healing, reduces infection risk and improves animal well-being
- **Accepted by all stakeholders**  
Including retailers animal welfare groups and animal welfare scientist
- **Proven**  
Highly effective for castration and tail docking in all species including pigs and cattle